

**CONTRACT REQUESTS FORM (CRF)**

CEC-94 (07/10)

CALIFORNIA ENERGY COMMISSION



☒ New Contract      ☐ Amendment to Existing Contract: \_\_\_\_\_ Amendment Number: \_\_\_\_\_

Division	Contract Manager:	MS-	Phone	CM Training Date
Energy Research and Development	Guido Franco	47	654-3940	12/3/1997

Contractor's Legal Name	Federal ID Number
The Regents of the University of California, Berkeley	94-6002123

Title of Project
Winter fog and energy demand in the Central Valley

Term	Start Date	End Date	Amount
New/Original Contract	6/29/2011	6/29/2012	\$ 82,510.00

Line up the Amendment information as best as possible within the following table.

Amendment #	End Date (mm/dd/yy)	Amount

### Business Meeting Information

Proposed Business Meeting Date	3/23/2011	<input type="checkbox"/> Consent	<input checked="" type="checkbox"/> Discussion
Business Meeting Presenter	Sarah Pittiglio	Time Needed:	5 minutes

### Agenda Item Subject and Description

Possible approval of contract 500-10-035 for \$82,510 with the University of California, Berkeley to study the relationship between fog, winter chill hours, and energy demand for heating in the Central Valley region. (PIER electricity funding.) Contact: Sarah Pittiglio. (5 minutes)

**Business Meeting approval is not required for the following types of contracts:** *Executive Director's signature is required in all cases.*

- ☐ Contracts less than \$10k (*Policy Committee's signature is also required*)
- ☐ Amendment for a no-cost time extension. Must be first extension, less than one year and original contract less than \$100k.
- ☐ Contracts less than \$25k for Expert Witness in Energy Facility licensing cases and amendments.

### Purpose of Contract or Purpose of Amendment, if applicable

The purpose of this contract is to conduct an analysis of long-term trends in winter fog across California's Central Valley. Researchers will use remote imaging of fog and climate data to study winter fog climatology in the Central Valley between November and February and produce new maps of fog duration across the Central Valley. The extent of the fog regime will be used to help explain the mechanisms of the observed trends in temperature. There will also be an analysis of the effect of temperature on weather-dependant heating demand in the central valley. These results will help researchers improve climate models for the central valley. Improved climate models that account for incidents of fog will enhance our ability to predict future energy use in the central valley.

### California Environmental Quality Act (CEQA) Compliance

- Is Contract considered a "Project" under CEQA?
 

☐ Yes: skip to question 2      ☒ No: complete the following (PRC 21065 and 14 CCR 15378):

Explain why contract is not considered a "Project":

Contract will not cause direct physical change in the environment or a reasonably foreseeable indirect physical change in the environment because it contract involves accessing and analyzing remote satellite imagery and climatological data and producing fog maps for the Central Valley..
- If contract is considered a "Project" under CEQA:
 

☐ a) Contract **IS** exempt. (Draft NOE required)

☐ Statutory Exemption. List PRC and/or CCR section number: \_\_\_\_\_

☐ Categorical Exemption. List CCR section number: \_\_\_\_\_

☐ Common Sense Exemption. 14 CCR 15061 (b) (3)

Explain reason why contract is exempt under the above section: \_\_\_\_\_

☐ b) Contract **IS NOT** exempt. The Contract Manager needs to consult with the Energy Commission attorney assigned to their division and the Siting Office regarding a possible Initial Study.

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Budgets Information								
Contract Amount Funded		Breakdown by FY			Funding Sources			
Funding Source	Amount	FY	Amount	Approved?	Funding Source	FY	Budget List No.	Amount
ARFVTF	\$	10-11	\$82,510	Yes	PIER-E	09-10	501.027	\$82,510
ECAA	\$		\$					\$
State- ERPA	\$		\$					\$
Federal	\$		\$					\$
PIER - E	\$82,510		\$					\$
PIER - NG	\$		\$					\$
Reimbursement	\$		\$					\$
Other	\$		\$					\$
<b>TOTAL:</b>	<b>\$82,510</b>	<b>TOTAL:</b>	<b>\$82,510</b>		<b>TOTAL:</b>			<b>\$82,510</b>
Reimbursement Contract #:					Federal Agreement			

Contractor's Administrator/ Officer		Contractor's Project Manager	
Name:	Deborah Rutkowski-Howard	Name:	Dennis Baldocchi
Address:	2150 Shattuck Ave Ste 200 2150 Shattuck Avenue, Suite 200	Address:	130 Mulford Hall # 3114
City, State, Zip:	Berkeley, CA 94704-1345	City, State, Zip:	Berkeley, CA 94720-3114
Phone/ Fax:	(510) 642-0120 / (510) 642-1020	Phone/ Fax:	/
E-Mail:	deborahr@berkeley.edu	E-Mail:	Baldocchi@nature.berkeley.edu

Contractor Is
<input type="checkbox"/> Private Company (including non-profits) <input checked="" type="checkbox"/> CA State Agency (including UC and CSU) <input type="checkbox"/> Government Entity (i.e. city, county, federal government, air/water/school district, joint power authorities, university from another state)

Selection Process Used		
<input type="checkbox"/> Solicitation <input type="checkbox"/> Non Competitive Bid (Attach CEC 96) <input checked="" type="checkbox"/> Exempt	Select Solicitation Type _____ Interagency	Solicitation #: _____

Civil Service Considerations
<input checked="" type="checkbox"/> Not Applicable (Contract is with a CA State Entity or a membership/co-sponsorship) <input type="checkbox"/> Public Resources Code 25620, et seq., authorizes the Commission to contract for the subject work. (PIER) <input type="checkbox"/> The Services Contracted: <input type="checkbox"/> are not available within civil service <input type="checkbox"/> cannot be performed satisfactorily by civil service employees <input type="checkbox"/> are of such a highly specialized or technical nature that the expert knowledge, expertise, and ability are not available through the civil service system <input type="checkbox"/> The Services are of such an: <input type="checkbox"/> urgent <input type="checkbox"/> temporary, or <input type="checkbox"/> occasional nature that the delay to implement under civil service would frustrate their very purpose.
<b>Justification:</b> Civil service considerations are not applicable because this Interagency Agreement is with a California state entity, the University of California, Berkeley.

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**Payment Method**

- ☒ A. Reimbursement in arrears based on:
- ☐ Itemized Monthly      ☒ Itemized Quarterly      ☐ Flat Rate      ☐ One-time
- ☐ B. Advanced Payment
- ☐ C. Other, explain: \_\_\_\_\_

**Retention**

1. Is contract subject to retention? ☒ No ☐ Yes
- If Yes, Do you plan to release retention prior to contract termination? ☐ No ☐ Yes

**Justification of Rates**

The overhead rate charged in this contract are the standard negotiated rate between the Energy Commission and the University of California. All other rates are standard published rates for the UC.

**Disabled Veteran Business Enterprise Program (DVBE)**

1. ☒ Not Applicable
2. ☐ Meets DVBE Requirements      DVBE Amount:\$ \_\_\_\_\_ DVBE %: \_\_\_\_\_
- ☐ Contractor is Certified DVBE
- ☐ Contractor is Subcontracting with a DVBE: \_\_\_\_\_
3. ☐ Requesting DVBE Exemption (attach CEC 95)

**Is Contractor a certified Small Business (SB), Micro Business (MB) or DVBE?**

- ☒ No ☐ Yes
- If yes, check appropriate box: ☐ SB ☐ MB ☐ DVBE

**Is Contractor subcontracting any services?**

- ☒ No ☐ Yes
- If yes, give company name and identify if they are a Small Business (SB), Micro Business (MB) and/or DVBE:
- |       |                             |                             |                             |                               |
|-------|-----------------------------|-----------------------------|-----------------------------|-------------------------------|
| _____ | <input type="checkbox"/> No | <input type="checkbox"/> SB | <input type="checkbox"/> MB | <input type="checkbox"/> DVBE |
| _____ | <input type="checkbox"/> No | <input type="checkbox"/> SB | <input type="checkbox"/> MB | <input type="checkbox"/> DVBE |
| _____ | <input type="checkbox"/> No | <input type="checkbox"/> SB | <input type="checkbox"/> MB | <input type="checkbox"/> DVBE |
| _____ | <input type="checkbox"/> No | <input type="checkbox"/> SB | <input type="checkbox"/> MB | <input type="checkbox"/> DVBE |
| _____ | <input type="checkbox"/> No | <input type="checkbox"/> SB | <input type="checkbox"/> MB | <input type="checkbox"/> DVBE |
| _____ | <input type="checkbox"/> No | <input type="checkbox"/> SB | <input type="checkbox"/> MB | <input type="checkbox"/> DVBE |
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| _____ | <input type="checkbox"/> No | <input type="checkbox"/> SB | <input type="checkbox"/> MB | <input type="checkbox"/> DVBE |
| _____ | <input type="checkbox"/> No | <input type="checkbox"/> SB | <input type="checkbox"/> MB | <input type="checkbox"/> DVBE |
| _____ | <input type="checkbox"/> No | <input type="checkbox"/> SB | <input type="checkbox"/> MB | <input type="checkbox"/> DVBE |

**Miscellaneous Contract Information**

1. Will there be Work Authorizations? ☒ No ☐ Yes
2. Will there be IT expenditures? ☒ No ☐ Yes
3. Is the Contractor providing confidential information? ☒ No ☐ Yes
4. Is the contractor going to purchase equipment? ☒ No ☐ Yes
5. Check frequency of progress reports
- ☐ Monthly ☒ Quarterly ☐ \_\_\_\_\_
6. Will a final report be required? ☐ No ☒ Yes
7. Is the contract, with amendments, longer than a year? If yes, why? ☒ No ☐ Yes

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**The following items should be attached to this CRF**

1. Scope of Work, Attach as Exhibit A.	<input type="checkbox"/> N/A	<input checked="" type="checkbox"/> Attached
2. Budget Detail, Attach as Exhibit B.	<input type="checkbox"/> N/A	<input checked="" type="checkbox"/> Attached
3. CEC 96, NCB Request	<input checked="" type="checkbox"/> N/A	<input type="checkbox"/> Attached
4. CEC 30, Survey of Prior Work	<input checked="" type="checkbox"/> N/A	<input type="checkbox"/> Attached
5. CEC 95, DVBE Exemption Request	<input checked="" type="checkbox"/> N/A	<input type="checkbox"/> Attached
6. Draft CEQA Notice of Exemption (NOE)	<input checked="" type="checkbox"/> N/A	<input type="checkbox"/> Attached
7. Resumes	<input type="checkbox"/> N/A	<input checked="" type="checkbox"/> Attached

\_\_\_\_\_  
Contract Manager\_\_\_\_\_  
Date\_\_\_\_\_  
Office Manager\_\_\_\_\_  
Date\_\_\_\_\_  
Deputy Director\_\_\_\_\_  
Date

The following signatures are only required when contract approval is delegated to the Executive Office and not approved at a Business Meeting.  
See Business Meeting Information Section.

\_\_\_\_\_  
Presiding Policy Committee\_\_\_\_\_  
Date\_\_\_\_\_  
Associate Policy Committee\_\_\_\_\_  
Date\_\_\_\_\_  
Executive Director\_\_\_\_\_  
Date